



Mangalore Chemicals
& Fertilizers Limited

To,

Mr.B.Govindaraj, Managing Director

P.R.Acoustical and Engineering works (P) Ltd

No.1, North Eda Street, Beemanagar, Trichy-620001, Tamilnadu, India

PH.:0431-2411623/2412608/2412250

Dear sir

Sub : Performance Certificate – Supply of Silencer – reg.

This is to certify that P.R.Acoustical and Engineering works (P) Ltd, have supplied silencer against following purchase order.

Sl. No.	PO No. & Date	Invoice No. & Date	Supplier Ref.:
1	4100004767 Dt. 08.12.2021	001 Dt. 07.05.2022	Job No.1850
2	4300037849 Dt.08.09.2021	024 Dt. 03.02.2022	Job No.1841
3	4300010619 Dt.01.08.2018	063 Dt. 11.02.2019	Job No.1728

These silencers are being used to reduce the noise level during steam blow off under startup and process upset condition the performance of these steam silencer is satisfactory. Design data of silencer attached.

For ,

NAGAPRASANNA BHAT

Chief Manager - Engineering & Inspection

Mangalore Chemicals & Fertilizers Ltd.
Panambur, Mangaluru - 575 010
(Authorised signatory)

Arumugam - PRAE Office

From: Neeraj Tripathi <neeraj.tripathi@isgec.co.in>
Sent: Wednesday, July 17, 2019 4:06 PM
To: Arumugam - PRAE Office; psakthivel@isgec.co.in
Cc: Govindaraj B - PRAE MD; Parthiban - PRAE Office; Vinoth Govindaraj; Vijay Pothi
Subject: RE: Performance Request Letter - Supply of Silencers – reg.

Dear Mr. B. Govindaraj,

This refers your trailing mail, this is to inform you that you're your silencer which was supplied by you against Invoice. No: 059 Dt: 26.11.2016 working properly and good performed.

We are thankful to you supplied good quality product.

Thanks & Regards;
Neeraj Tripathi (EPC Contracts)



ISGEC HEAVY ENGINEERING LTD.

A-4, Sector 24, Noida -201301 UP, India
Mob:- + 91-9910330776
Tel.: +91-120-4085083
Email: neeraj.tripathi@isgec.co.in
website: www.isgec.com

From: Arumugam - PRAE Office [mailto:arumugam@pracoustics.com]
Sent: 17 July, 2019 2:33 PM
To: neeraj.tripathi@isgec.co.in; psakthivel@isgec.co.in
Cc: Govindaraj B - PRAE MD; Parthiban - PRAE Office; Vinoth Govindaraj; Vijay Pothi
Subject: Performance Request Letter - Supply of Silencers – reg.

July 17, 2019

Mr. Neeraj Tripathi
ENGINEERING PROCUREMENT CONSTRUCTION
PROJECT- POWER PLANT
ISGEC HEAVY ENGINEERING LTD
(Formerly ISGEC JOHN THOMPSON)
A-4, SECTOR-24, NOIDA (U.P.)-201301
PH# (Direct) 0120-4085083
(Office) 0120-4085001, Extn. 5083
Mobile: +91-9910330776
E-mail: neeraj.tripathi@isgec.co.in

Dear sir,

Sub: Performance Request Letter - Supply of Silencers – reg.
Ref. PO.No: P30102580/ES0116 **DT:** 15.06.2016.
Our Job No: 1563.

Arumugam - PRAE Office

From: Ramana Rao Balivada <bvr.offshore@gmail.com>
Sent: Friday, July 20, 2018 2:17 PM
To: Arumugam - PRAE Office
Subject: Re: Performance Request Letter - Supply of Silencers – reg.

We did not get any adverse remarks from our client M/s GAIL (India) Ltd and the project was completed long back.

Hence the equipment must be performing satisfactorily.

Thanking you,

B.V.R Rao

Offshore Infrastructures Ltd.
Ranjit House, Plot No. D-28/15
MIDC, TTC Industrial Area
Turbhe, Navi Mumbai
400 705

Tel : 022- 66721000
Fax : 022 - 25693885



On Fri, Jul 20, 2018 at 2:13 PM, Arumugam - PRAE Office <arumugam@pracooustics.com> wrote:

July 20, 2018

Mr.B.V.R Rao.

M/s.Offshore Infrastructures Limited, - Muland West Mumbai.

Email: bvr.offshore@gmail.com;

Tel-022 66721000 to 66721030,25640416,25690073,25653464.

Dear sir,

Sub: Performance Request Letter - Supply of Silencers – reg.

Ref PO.No: OIL/3066/13-14/PP/0364 DT: 15.02.2014.

Our Job No: 1405.

Project: Gail (India) Ltd, - Vijaipur, Dist - Guna. (M.P.).

Type: LP Steam Silencer.

Meterial Code: 18-XX-106.

With reference to above project, we had supplied **1 no** of silencer vide our **Invoice. No: 046 Dt: 04.08.2014.** We are interested to know the performance feedback of the supplied silencers. Kindly forward the same to us and enable us to serve you better. If you need any further assistance kindly inform us.

Waiting for your favourable reply.

Thanking you,

Truly yours,

B.Govindaraj, Managing Director

P.R.Acoustical and Engineering works (P) Ltd

[No.1, North Eda Street, Beemanagar, Trichy-620001, Tamilnadu, India](#)

Mobile: 9345114145

PH.:0431-2411623/2412608/2412250

E-mail : md@pracoustics.com

Arumugam - PRAE Office

From: Nisheeth Khandelwal <nisheeth.khandelwal@adityabirla.com>
Sent: Monday, July 09, 2018 3:04 PM
To: Arumugam - PRAE Office
Cc: Govindaraj B - PRAE MD; Office PRAE; Parthiban - PRAE Office
Subject: Re: Performance Request Letter - Supply of Silencers – reg.

Dear Sir

The supplied silencer was installed after safety valve .
The safety valve pop up is very rare.
However once one safety valve was operated and that time the silencer was effective.
Thank you for your mail.

Regards
Nisheeth Khandelwal

00917752020750

From: Arumugam - PRAE Office <arumugam@pracoustics.com>
To: "nisheeth.khandelwal@adityabirla.com" <nisheeth.khandelwal@adityabirla.com>
Cc: Govindaraj B - PRAE MD <md@pracoustics.com>, Parthiban - PRAE Office <parthiban@pracoustics.com>, Office PRAE <office@pracoustics.com>
Date: 09-07-2018 14:26
Subject: Performance Request Letter - Supply of Silencers – reg.

CAUTION: This email originated from outside of the organization Do not click links or open attachments unless you recognize the sender and know the content is safe

July 09, 2018

Mr.Nisheeth Khandelwal, - DGM Mechanical.
M/s.Utkal Alumina International Limited, - District: Rayagada, Odisha.
Email: nisheeth.khandelwal@adityabirla.com;
Mob: 00917752020750.

Dear sir,

Sub: Performance Request Letter - Supply of Silencers – reg.
Ref. PO.No: 13/4037/01/2742 DT: 13.01.2014.
Our Job No: 1396.
Type: Silencer - Exhaust Line Vent.
Item No. DBSLR0014.

With reference to above project, we had supplied **4 no s** of silencer vide our **Invoice. No: 143 Dt: 27.03.2014**. We are interested to know the performance feedback of the supplied silencers. Kindly forward the same to us and enable us to serve you better. If you need any further assistance kindly inform us.

Waiting for your favourable reply.

Thanking you,

Truly yours,

B.Govindaraj, Managing Director

P.R.Acoustical and Engineering works (P) Ltd

No.1, North Eda Street, Beemanagar, Trichy-620001, Tamilnadu, India

Mobile: 9345114145

PH.:0431-2411623/2412608/2412250

E-mail: md@pracoustics.com

The information contained in this electronic communication is intended solely for the individual(s) or entity to which it is addressed. It may contain proprietary, confidential and/or legally privileged information. Any review, retransmission, dissemination, printing, copying or other use of, or taking any action in reliance on the contents of this information by person(s) or entities other than the intended recipient is strictly prohibited and may be unlawful. If you have received this communication in error, please notify us by responding to this email or telephone and immediately and permanently delete all copies of this message and any attachments from your system(s). The contents of this message do not necessarily represent the views or policies of Aditya Birla Group.

Computer viruses can be transmitted via email. Aditya Birla Group Companies attempts to sweep e-mails and attachments for viruses, it does not guarantee that either are virus free. The recipient should check this email and any attachments for the presence of viruses. Aditya Birla Group does not accept any liability for any damage sustained as a result of viruses.

Arumugam - PRAE Office

From: Vishal Rana <Vishal.Rana@linde.com>
Sent: Friday, July 27, 2018 4:53 PM
To: Govindaraj B - PRAE MD; Arumugam - PRAE Office
Cc: Parthiban - PRAE Office; Office PRAE; Jitendra Varyani
Subject: RE: Performance Request Letter - Supply of Silencers – reg.

Dear Mr. Govindaraj,

Just to update that your silencers are installed and plant is in operation for last 3 months, we have not received any concern from RIL regarding silencers performance till this time.

Best Regards,

Vishal Rana
Manager - Procurement
Procurement Engineering Center India

Corporate & Registered Office:
Linde Engineering India Pvt. Ltd.,
Linde House, Opp VUDA office, VIP Road,
Karelibaug Vadodara 390018, India.
Phone +91 (265) 3346629
Fax +91 (265) 2461757 , Mobile No. +91.9909953435
Website:- www.linde-india.com
Email Id:- vishal.rana@linde.com
Corporate Identity Number: U64203GJ1987PTC097873

'Think of the environment... please don't print this e-mail unless it is absolutely necessary'.

This e-mail is confidential. If you are not the intended recipient, please notify us immediately. You should not disclose its contents to any other person nor use it for any purposes.

From: Arumugam - PRAE Office [mailto:arumugam@pracoustics.com]
Sent: 27 July 2018 14:25
To: Vishal Rana <Vishal.Rana@linde.com>
Cc: Govindaraj B - PRAE MD <md@pracoustics.com>; Parthiban - PRAE Office <parthiban@pracoustics.com>; Office PRAE <office@pracoustics.com>
Subject: Performance Request Letter - Supply of Silencers – reg.

Caution: The identity of the sender of this message could not be verified as it originates from the Internet. Please pay attention!

July 27, 2018

Mr. Vishal Rana, Deputy Manager - Matl. Group Static Procurement,
M/s. Linde Engineering India Private Limited, - Vadodara.
Email: Vishal.Rana@linde-le.com;
Tel.: +91 0265 3056629, Fax: +91 0265 2461757, Mobile: +91 9909953435.

Dear sir,

Sub: Performance Request Letter - Supply of Silencers – reg.

Ref. PO.No: 002 2DB1190 Sup. 000 DT: 07.03.2014/Sup. 001 Dt. 28.04.2014/Sup. 002 Dt. 29.04.2014

Our Job No: 1425.

Project: M/s. Reliance Industries Limited (SEZ), - Dist. Jamnagar, Gujarat.

Type: Super Heater PSV - Silencer, Steam Drum PSV - Silencer, Steam Drum - Vent Silencer, Start-Up Vent Silencer on No.1 Condenser & No.2 Condenser, Start-Up Vent Silencer on Reactor Effluent Cooler, Super Heater - Vent Silencer, Steam Drum PSV - Silencer,

Tag No: MF-HOH360-Y020 B, MF-HOH361-Y020 B, MF-HOH360-Y018 B, MF-HOH361-Y018 B, MF-HOH360-Y017, MF-HOH361-Y017, MF-HOH360-Y014, MF-HOH361-Y014, MF-HOH360-Y015, MF-HOH361-Y015, MF-HOH360-Y016, MF-HOH361-Y016, MF-HOH360-Y019, MF-HOH360-Y018 A, MF-HOH361-Y019, MF-HOH361-Y018 A, MF-HOH360-Y020 A, MF-HOH361-Y020 A.

With reference to above project, we had supplied **18 nos** of silencer vide our **Invoice. No: 094 to 099 Dt: 18.11.2014**. We are interested to know the performance feedback of the supplied silencers. Kindly forward the same to us and enable us to serve you better. If you need any further assistance kindly inform us.

Waiting for your favourable reply.

Thanking you,

Truly yours,

B.Govindaraj, Managing Director

P.R.Acoustical and Engineering works (P) Ltd

No.1, North Eda Street, Beemanagar, Trichy-620001, Tamilnadu, India

Mobile: 9345114145

PH.:0431-2411623/2412608/2412250

E-mail: md@pracoustics.com

The information contained in this email and any attachments may be confidential and is provided solely for the use of the intended recipient(s). If you are not the intended recipient, you are hereby notified that any disclosure, distribution, or use of this e-mail, its attachments or any information contained therein is unauthorized and prohibited. If you have received this in error, please contact the sender immediately and delete this e-mail and any attachments. No responsibility is accepted for any virus or defect that might arise from opening this e-mail or attachments, whether or not it has been checked by anti-virus software...

Arumugam - PRAE Office

From: KACHARI, CHAKRESWAR (कचारी, चक्रेश्वर) <CKACHARI@INDIANOIL.IN>
Sent: Thursday, March 30, 2017 4:15 PM
To: Arumugam - PRAE Office
Cc: Govindaraj B - PRAE MD; Vinoth Govindaraj; Vijay Pothi; Parthiban - PRAE Office; SAHAI, SAMIR (सहाय, समीर); MURTHY, G.R.K. (मूर्ति, जी.आर.के.)
Subject: RE: Performance Request Letter - Supply of Silencers - Job No. 1510

Performance of the silencers are found to be satisfactory.

Regards

C Kachari
CPJM

From: Arumugam - PRAE Office [mailto:arumugam@pracoustics.com]
Sent: 23 March 2017 12:49
To: KACHARI, CHAKRESWAR (कचारी, चक्रेश्वर); DAS, BIMAN CHANDRA (बिमन चंद्रा दास)
Cc: Govindaraj B - PRAE MD; Vinoth Govindaraj; Vijay Pothi; Parthiban - PRAE Office; SAHAI, SAMIR (सहाय, समीर); MURTHY, G.R.K. (मूर्ति, जी.आर.के.)
Subject: Performance Request Letter - Supply of Silencers - Job No. 1510

March 23, 2017

Chief Project Manager
Indian Oil Corporation Limited
Guwahati Refinery
Guwahati, Assam -781020
Attn: Mr. C. Kachari / Attn: B C Das (Manager-Projects)
Phone No.0361-2657067
Phone No.0361-2597954
Email: ckachari@indianoil.in Email: dasbc@indianoil.in
Email: sahais@indianoil.in; murthygrk@indianoil.in

Dear sir,

Sub: Performance Request Letter - Supply of Silencers – Guwahati Refinery, Assam - reg.
Ref. PO.No: 457/062/24491303 Dt. 10.07.2015.
Our Job No: 1510.
Type: Silencer

With reference to above project, we had supplied **3 no** of silencer vide our **Invoice. No: 070 Dt: 03.02.2016**. We are interested to know the performance feedback of the supplied silencers. Kindly forward the same to us and enable us to serve you better. If you need any further assistance kindly inform us.

Waiting for your favourable reply.

Thanking you,
Truly yours,
B.Govindaraj, Managing Director
P.R.Acoustical and Engineering works (P) Ltd

Arumugam - PRAE Office

From: Vishal.Rana@linde.com
Sent: Wednesday, November 09, 2016 4:57 PM
To: Arumugam - PRAE Office
Cc: Govindaraj B - PRAE MD; Parthiban - PRAE Office; Vijay Pothe; Vinoth Govindaraj
Subject: Re: Performance Request Letter - Supply of Silencers - Job No. 1178

Dear Mr. Govindaraj,

We have not received any complaint/observation from HPCL for last 2 years, hope everything must be running smooth.

Best Regards,

Vishal Rana
Dy. Manager - Matl. Group Static Procurement

Procurement Engineering Center India

Corporate Office : Linde Engineering India Pvt. Ltd. Linde House, Opp VUDA office, VIP Road, Karelibaug Vadodara 390018, India. Phone +91 (265) 3346629 Fax +91 (265) 2461757 , Mobile No. +91.9909953435 Website www.linde-india.com Email Id:- vishal.rana@linde-le.com Corporate Identity Number: U64203DL1987PTC029740	Registered Office : 806, Meghdoot, 94, Nehru Place, New Delhi – 110 019 Phone (011) 26431054, 26418996 Fax (011) 26437922 Website www.linde-india.com Email Id:-india@linde-le.com Corporate Identity Number: U64203DL1987PTC029740
---	--

'Think of the environment... please don't print this e-mail unless it is absolutely necessary'.

This e-mail is confidential. If you are not the intended recipient, please notify us immediately. You should not disclose its contents to any other person nor use it for any purposes.

From: Arumugam - PRAE Office <arumugam@pracoustics.com>
To: "Vishal.Rana@linde-le.com" <Vishal.Rana@linde-le.com>
Cc: Govindaraj B - PRAE MD <md@pracoustics.com>, Vinoth Govindaraj <vinoth@pracoustics.com>, Vijay Pothe <vijay@pracoustics.com>, "Parthiban - PRAE Office" <parthiban@pracoustics.com>
Date: 18/10/2016 12:18
Subject: Performance Request Letter - Supply of Silencers - Job No. 1178

October 18, 2016

Mr.Vishal Rana – Principal Engineer - Procurement
M/s.Linde Engineering India Pvt. Ltd., - Vadodara, Gujarat.
Mobile: +91 09909953435/ Tel: +91 0265 3056789.
Email: Vishal.Rana@linde-le.com.

Dear sir,

Sub.: Performance Request Letter - Supply of Silencers – reg.

Ref PO.No: 002 2DA8120 Sup.000 DT: 11.10.2011/ Job No: K-02-2310A051.

Our Job No : 1178.

Project: M/s.Hindustan Petroleum Corporation Limited., - Mahul Mumbai.

Type : Silencer.

Tag No.: 704-PS-4010 & 704-PA-4002.

With reference to above project, we had supplied **2 no s** of silencer vide our **Invoice. No: 109 Dt: 30.03.2012**. We are interested to know the performance feed back of the supplied silencers. Kindly forward the same to us enable to serve you in better way. If you need any further assistance kindly inform the same.

Waiting for your favourable reply.

Thanking you,

Truly yours,

B.Govindaraj, Managing Director

P.R.Acoustical and Engineering works (P) Ltd

No.1, North Eda Street, Beemanagar, Trichy-620001, Tamilnadu, India

Mobile: 9345114145

PH.:0431-2411623/2412608/2412250

E-mail : md@pracoustics.com

"The quiet people offering Sound Solution to Noise"



Caution: The identity of the sender of this message could not be verified as it originates from the Internet. Please pay attention.

Arumugam - PRAE Office

From: SINGH, SATYAJEET (सिंह, सत्यजीत) <SINGHSATYAJEET@INDIANOIL.IN>
Sent: Wednesday, October 05, 2016 2:33 PM
To: Govindaraj B - PRAE MD; Vinoth Govindaraj; Office PRAE
Cc: RAO, SIDDARTHA (राव, सिद्धार्थ); SIL, SUBHASHIS (सिल सुभाशीष); YADAV, SUNIL (यादव सुनील); RATNAM, KV (रत्नम, केवी); SAHOO, TRINATH (साहू, त्रिनाथ); MUKESH, MOHAN (मुकेश, मोहन); KACKER, RAJIV (कक्कर, राजीव); UKEY SM(उके एस एम)
Subject: Supply of Silencer at VGO-HDT unit of IOCL, Paradip Refinery, Paradip
Attachments: PO for Enquiry No. U6487-3096-2132-23222101.pdf

Kind Attn: Mr Parthiban (Sr Manager- Sales,Moblie:8754008087)

Dear Mr Parthiban

M/s P R Acoustical and Engineering Works(P) Ltd., Trichy, Tamilnadu has supplied eight nos. Silencer at IOCL, Paradip Refinery, Paradip vide PO :U6487-3096-2132-23222101,dated 16.09.2010 for an amount of Rs 14.25 lakh which were installed and since running successfully (PO copy is enclosed for the reference).

As discussed with your Trichy office regarding supply of one silencer which is urgently required at VGO-HDT unit for the reduction of heavy steam noise coming from one small turbine gland leak off line. The steam coming from turbine leak off line is kept open to atmosphere at a height of 2-2.5 meter and the line size is 1-1/2 inch. The steam parameters are as follows:

Steam pressure	: 6-7 kgf/cm ²
Steam Temperature	: 175 degree centigrade (aapprox)
Flow	: 4-5 ton/hour
Noise level	: Very heavy sound

You are requested to design a suitable silencer by considering above parameter so that the noise level of steam vent can be reduced to acceptable limit.

May please review and provide GA drawing and budgetary offer for supply of silencer with minimum delivery schedule at the earliest for our review and procurement action.

Awaiting your early response

With Thanks & Regards,

Satyajeet Singh

Senior Maintenance Manager
Paradip Refinery Project
Indian Oil Corporation Limited

Phone- 06722 211628

Mobile- +91 8763422154

Email- singhsatyajeet@indianoil.in

Arumugam - PRAE Office

From: Arvind Kushwaha <akushwaha@bhushansteel.com>
Sent: Friday, July 15, 2016 4:16 PM
To: Arumugam - PRAE Office
Cc: Govindaraj B - PRAE MD; Vinoth Govindaraj; Vijay Pothi; Office PRAE
Subject: RE: Performance Request Letter - Supply of Silencers - Job No. 1052

To whom It May Concern

M/s P.R. Acoustical and Engineering works (P) Ltd have supplied the 1 Nos. Sliding Silencer for our 165 MW Power Plant against our PO No. 8/BEL/10-11/029 Dt. 26.08.2016, In Bhushan Energy Ltd. At Meramandali Site Odisha.

The Sliding Silencer has Installed and working Satisfactorily,

Regards
Arvind Kumar
AGM/Project-Power Plant
Bhushan Steel Ltd.
New Delhi
Mob. No.+91-9873055559

From: Arumugam - PRAE Office [mailto:arumugam@pracooustics.com]
Sent: Friday, July 15, 2016 3:54 PM
To: akushwaha@bhushansteel.com
Cc: Govindaraj B - PRAE MD; Vinoth Govindaraj; Vijay Pothi; Office PRAE
Subject: Performance Request Letter - Supply of Silencers - Job No. 1052

July 15, 2016

Mr.Arvind Kumar, Asst. G.M. – Power Plant
M/s. Bhushan Energy Limited.
Email : akushwaha@bhushansteel.com;
Tel: 011-42295555 / Mobile: 09873055559.

Dear sir,

Sub.: Performance Request Letter - Supply of Silencers – reg.
Ref PO.No.: **8/BEL/10-11/029 DT: 26.08.2010.**
Our Job No : 1052.
Type : Sliding Silencer.

With reference to above project, we had supplied **1 no of silencer vide our Invoice. No: 048 Dt: 19.10.2011.**
We are interested to know the performance feed back of the supplied silencers. Kindly forward the same to us enable to serve you in better way. If you need any further assistance kindly inform the same.

Waiting for your favourable reply.

Thanking you,
Truly yours,
B.Govindaraj, Managing Director
P.R.Acoustical and Engineering works (P) Ltd

इंडियन ऑयल कॉर्पोरेशन लिमिटेड

रिफाइनरी प्रभाग : गुवाहाटी रिफाइनरी,
नुनमाटी, गुवाहाटी - 781 020

Indian Oil Corporation Limited

Refineries Division : Guwahati Refinery
Noonmati, Guwahati - 781 020, Assam
Tel : 597777 Fax: 0361- 550158,550694
Gram : OILREFIN
Internet Site : www.indianoilcorp.com



रिफाइनरी प्रभाग

Refineries Division

28.04.2014

To whom it may concern

Two nos of Coke Drum vent Silencer manufactured by M/s P.R. Acoustical and Engineering works (P) Ltd and supplied by M/s IOTL was installed and commissioned in DCU of Guwahati Refinery in September, 2012.

The performance of the system is found to be satisfactory.

For and on behalf of IOCL Guwahati Refinery

C Kachari
Chief Project Manager

Arumugam - PRAE Office

From: Jigar.Vaidya@ril.com
Sent: Tuesday, May 12, 2015 6:28 PM
To: Arumugam - PRAE Office
Cc: Govindaraj B - PRAE MD; Vinoth Govindaraj; vijay_pothi@yahoo.com; Office PRAE; kalpesh.s.shah@ril.com
Subject: RE: Performance Request Letter - Supply of Silencers - Job No: 1334.

These Silencers have never been tested at rated flow. At lower flow about (1/3) of MP steam venting the performance was ok.

Thanks & Regards,
Jigar Vaidya
0288-4012431
07600713457

From: Arumugam - PRAE Office [<mailto:arumugam@pracoustics.com>]
Sent: Monday, May 11, 2015 10:31 AM
To: Jigar Vaidya; Kalpesh_s_shah@ril.com; Arun Kedia
Cc: Govindaraj B - PRAE MD; Vinoth Govindaraj; vijay_pothi@yahoo.com; Office PRAE
Subject: Performance Request Letter - Supply of Silencers - Job No: 1334.

May 11, 2015

Mr.Jigar Vaidya – Purchase/ Mr. Kalpesh Shah/ Mr.Arun Kedia.
M/s. Reliance Industries Limited
Email: Jigar.Vaidya@ril.com; Kalpesh_s_shah@ril.com; arun.kedia@ril.com;
Tel: No. 022-44789360-4478 4576/+91 288 4012431/M: +91 7600713457.
Tel: 0091-288-2312436/9998215676.

Dear sir,

Sub: Performance Request Letter - Supply of Silencers – reg.
Ref. PO.No: JM1/7460659 DT: 18.06.2013.
Our Job No: 1334.
Project: M/s.Reliance Industries Limited, - Dist. Jamnagar, Gujarat.
Type: Vent Silencer.
Item No: 4500094581.

With reference to above project, we had supplied **3 no s** of silencer vide our **Invoice. No: 091 Dt: 01.11.2013**. We are interested to know the performance feedback of the supplied silencers. Kindly forward the same to us and enable us to serve you better. If you need any further assistance kindly inform us.

Waiting for your favourable reply.

Thanking you,
Truly yours,

B.Govindaraj, Managing Director
P.R.Acoustical and Engineering works (P) Ltd
No.1, North Eda Street, Beemanagar, Trichy-620001, Tamilnadu, India
Mobile: 9345114145

Arumugam - PRAE Office

From: lalji.prajapati [lalji.prajapati@adityabirla.com]
Sent: Thursday, February 05, 2015 1:07 PM
To: Francis PV - PRAE Marketing
Cc: Leema J - PRAE Design; Arumugam - PRAE Office; Govindaraj B - PRAE MD
Subject: Requirement of Silencer for Superheater safety valve vent line

Dear Sir,

We had installed your make 2 Nos. of Silencer in Boiler Start-up vent line and its performance found satisfactorily. So we want to install another 02 Nos. Silencer in Superheater safety valve vent line in our 2X50 TPH capacity IJT make Boiler, Kindly request you to send techno-commercial offer for the same. Silencer details as under,

SILENCER For SUPERHEATER SAFETY VALVE,
Steam relieving capacity : 50000KG/HR
Pressure : 90 kg/cm2
Service : Superheated Steam
Steam temperature : 510 Deg C
Inlet Noise level : >160DB(A)
Max. allowable sound level at 1m distance from silencer : 85 DB(A)
Silencer mounting : Vertical, outlet to atmosphere
Corrosion allowance on CS parts : 3MM
Silencer connecting pipe : 4 Inch
Schedule of pipe : 120, SMLS, BW end connection,
Pipe material specification : SA335 P22
PF Sheet material : STAINLESS STEEL-409,
Acoustic material : Glass wool,
Painting specification: Surface preparation: SA 2.5,
HR Aluminum paints: 2 Coats, Total DTF= 40 Microns

Awaiting your early response.

With Regards,

Lalji Prajapati
Aditya Birla Nuvo Limited

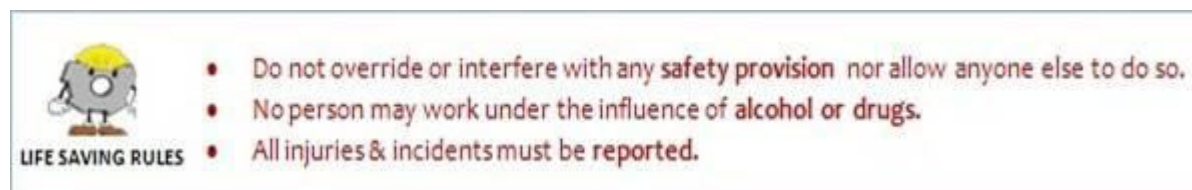
Unit : Indian Rayon,

Veraval - 362266 | Gujarat | India |

Tel: +91 2876 248442 | Mobile: +91 9913021026|

Email: lalji.prajapati@adityabirla.com |

Website : www.adityabirla.com



The information contained in this electronic communication is intended solely for the individual(s) or entity to which it is addressed. It may contain proprietary, confidential and/or legally privileged

Arumugam - PRAE Office

From: A KALYAN KUMAR [akk_120210@vizagsteel.com]
Sent: Thursday, September 04, 2014 3:06 PM
To: Arumugam - PRAE Office
Cc: mvkreddy@vizagsteel.com; jaganmrv@vizagsteel.com
Subject: FW: Performance Request Letter - Supply of Silencers - Job No: 1222.

Sir,

The trailing message is for your information pl.

regards

-----Original Message-----

From: SALIM GP [<mailto:salimgp@vizagsteel.com>]
Sent: Thursday, September 04, 2014 12:24 PM
To: A KALYAN KUMAR
Subject: Re: Performance Request Letter - Supply of Silencers - Job No: 1222.

Dear Sri Kalyan Kumar

Kindly let them know that the performance of the silencers supplied by them is satisfactory . They are doing well.

Regards

Salim GP

----- Original Message -----

From: "A KALYAN KUMAR" <akk_120210@vizagsteel.com>
To: <salimgp@vizagsteel.com>
Sent: Thursday, September 04, 2014 9:24 AM
Subject: FW: Performance Request Letter - Supply of Silencers - Job No: 1222.

> Sir,

>

> Pl offer your views and comments on the trailing message.

>

> regards

>

> -----Original Message-----

> From: Arumugam - PRAE Office [<mailto:arumugam@pracooustics.com>]
> Sent: Tuesday, September 02, 2014 4:47 PM
> To: akk_120210@vizagsteel.com
> Cc: Govindaraj B - PRAE MD; Vinoth Govindaraj; vijay_pothi@yahoo.com;
> Office
> PRAE
> Subject: Performance Request Letter - Supply of Silencers - Job No: 1222.

>

> September 2, 2014

>

>

>

> Mr.A.Kalyan Kumar, AM/MM-PUR

>

> M/s.Rashtriya Ispat Nigam Limited. - Visakhapatnam.
>
> Email: akk_120210@vizagsteel.com <mailto:akk_120210@vizagsteel.com> .
>
> PH: 0891-2742551/Mobile: 09701348838.
>
>
>
> Dear sir,
>
>
>
> Sub: Performance Request Letter - Supply of Silencers - reg.
>
> Ref PO.No: AT.No.2.96.0001/50/P/2024 DT: 15.05.2012/
>
> Amendment No: 1 DT: 31.10.2012.
>
> Our Job No: 1222.
>
> Type: Silencer for Steam Vent of 40 ATA 200 MM Dia Header Silencer,
> Silencer
> for Tata Header of BPTS.
>
> Catalogue No: 5050570990102, 5050595770004.
>
>
>
> With reference to above project, we had supplied 2 no s of silencer vide
> our
> Invoice. No: 127 Dt: 30.01.2013. We are interested to know the performance
> feedback of the supplied silencers. Kindly forward the same to us and
> enable
> us to serve you better. If you need any further assistance kindly inform
> us.
>
>
>
> Waiting for your favourable reply.
>
>
>
> Thanking you,
>
>
> Truly yours,
>
> B.Govindaraj, Managing Director
> P.R.Acoustical and Engineering works (P) Ltd
> No.1, North Eda Street, Beemanagar, Trichy-620001, Tamilnadu, India
> Mobile: 9345114145
>
> PH.:0431-2411623/2412608/2412250
>
> E-mail : md@pracoustics.com
>
> "The quiet people offering Sound Solution to Noise"

NIRMA LIMITED

2147, Modern Bungalow, Near N C C. Office, Krishnanagar, Waghawadi Road, BHAVNAGAR - 364002. Ph : 0278-2565199, Fax:0278-2565099

NL/SA/UTY/HSR/14-15/54

Date: 07.08.2014

PERFORMANCE CERTIFICATE

This is to Certify that M/s. P. R. ACOUSTICAL AND ENGINEERING WORKS PRIVATE LIMITED, E-41, Developed Plots Estate, Thuvakudy, Trichy - 620 015, have supplied silencers against following purchase order. These silencers are being used to reduce the noise level during steam blow off under startup and process upset conditions the performance of these steam silencer is satisfactory. Design data of the silencer as attached for your reference.

CUSTOMER	:	M/S. NIRMA LIMITED
PO NO.	:	K/8001003PO120100085
PO DATE	:	08.05.2012
DESCRIPTION	:	Silencer for 2.5 Bar (ABS) vent line
ITEM NO.	:	UBMJBOILR065
QTY.	:	01 NOS.
INVOICE NO.	:	040 DATED 06.07.2012

NIRMA LIMITED
SODA ASH CHEMICAL COMPLEX
VILLAGE - KALATALAV,
DIST. - BHAVNAGAR (GUJARAT)
PIN CODE - 364313.

SR. MANAGER - UTILITY
NIRMA CHEMICAL COMPLEX
KALATALAV, BHAVNAGAR
MOB: +91 89800 26335
E-Mail: hsrajan@nirma.co.in

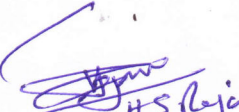
NIRMA Better Products. Better Value. Better Living.

Regd Office : Nirma House, Ashram Road, Ahmedabad - 380 009, PHONE: 27546565-74, FAX: (079) 27546605, 27546603
WORKS : Chemical Complex, Village : Kalatalav Taluka & Dist : Bhavnagar-364313 Phone : (0278) 2885301-2 3 4 Fax : 2885309-2885319 E-Mail :
nirma_kalatalav@nirma.co.in

SILENCER DESIGN DATA :		PRAE-J-1195-R00
S.No.	DESCRIPTION	SILENCER
1	TAG NO OF SILENCER	-
2	FLOW MEDIUM	STEAM
3	FLOW RATE (TONS/HR)	60
4	PRESSURE BEFORE VALVE (BAR(ABS))	2.5
5	SILENCER INLET PRESSURE (BAR(ABS))	2.5
6	TEMPERATURE (Deg.C)	150 TO 180
7	INLET NOISE LEVEL (dB(A))	150
8	NOISE LEVEL AT OUTLET AT 1M DIST. FROM THE SILENCER SHALL NOT EXCEED (dB(A))	85
9	SILENCER MOUNTING	Vertical, Outlet to atmosphere
10	NO. OF SILENCER	1 No.
11	LENGTH (L1) (APPROX.) (mm)	2500±10
12	LENGTH (L2) (APPROX.) (mm)	1600±5
13	LENGTH (L3) (APPROX.) (mm)	1100±3
14	DIA (OD) (APPROX.) (mm)	ø1200
15	WEIGHT (APPROX.) (Kg)	1520/QTY
16	CORROSION ALLOWANCE ON C.S. PARTS ONLY	3 mm

MATERIAL SPECIFICATION DATA :		
S.No.	DESCRIPTION	SILENCER
1	FLANGE & COUNTER FLANGE	10" SCH 40 WNRF 150#, SA 105 ASME B16.5
2	DRAIN PIPE	3/4" SCH 40, SA 106 Gr.B
3	BOTTOM PLATE RIB	IS 2062 Gr.A
4	BOTTOM PLATE	IS 2062 Gr.A
5	DIFFUSURE PIPE	10" SCH 40, SA 106 GR.B
6	FLAT END	IS 2062 GR.A
7	SUPPORT BRACKET	IS 2062 GR.A
8	OUTER SHELL	IS 2062 GR.A
9	LIFTING LUG	IS 2062 GR.A
10	NAME PLATE BRACKET	IS 2062 GR.A
11	NAME PLATE	SS
12	BIRD SCREEN MESH	G.I
13	WEATHER COWL (RAIN HOOD)	IS 1079 GR.O
14	GASKET	SS 316 SPIRAL WOUND
15	STUD & NUTS (FLANGE)	7/8"X125 LG -12 Nos.SA 193 B7/SA 194 2H
16	PF SHEET	SS 409
17	WIRE MESH	G.I
18	CLOTH	FIBRE GLASS CLOTH
19	ACOUSTIC PACKING	LOOSE GLASS WOOL
20	INTERNAL METALLIC SUPPORTS	CARBON STEEL

NIRMA LIMITED
 800A ASH CHEMICAL COMPLEX
 VILLAGE: KALATALAV,
 DIST.: BHAVNAGAR (GUJARAT)
 PIN CODE: 364313.


 H.S. Rajani
 Sr Manager UTILITY

Arumugam - PRAE Office

From: Vantmuri [vantmuri@tdps.co.in]
Sent: Thursday, August 07, 2014 12:08 PM
To: Arumugam - PRAE Office
Cc: Govindaraj B - PRAE MD; Vinoth Govindaraj; Praveen@tdsp.co.in; vijay_pothi@yahoo.com; Office PRAE; Javid
Subject: RE: Performance Request Letter - Supply of Silencers - Job No: 1207.

Dear Sir,

The performance of supplied silencers are found satisfactory & there are no complaints from Customer as on today.

Thanks for your support.

Best regards,

Srinivas Vantmuri
TDPS_Bangalore

From: Arumugam - PRAE Office [<mailto:arumugam@pracoustics.com>]
Sent: 07 August 2014 12:02
To: lingaraju.l@tdps.co.in; Vantmuri; Praveen@tdsp.co.in
Cc: Govindaraj B - PRAE MD; Vinoth Govindaraj; vijay_pothi@yahoo.com; Office PRAE
Subject: Performance Request Letter - Supply of Silencers - Job No: 1207.

August 7, 2014

Mr.Lingaraju.L/ Mr.Srinivas Vantmuri/ Mr.Praveen/ Mr.R.Das Prakash, Materials – Projects
M/s.TD Power Systems Limited, - Bangalore.
Email: lingaraju.l@tdps.co.in; vantmuri@tdps.co.in; Praveen@tdsp.co.in;
PH: 080-22017830/22017827/22017800, Mob: + 91 9611137452/ 09880295939.

Dear sir,

Sub: Performance Request Letter - Supply of Silencers – reg.
Ref PO.No: 3111100326 DT. 07.02.2012/ CUSTOMER PO No: 4511001912
Our Job No: 1207.

Project: M/s. ITC LIMITED - PSPD - DCM, - Andhra Pradesh.

Type: Main Steam Warmup Vent Silencer, Extraction Steam Silencer – 3 Nos.
Tag No: SL-01, SL-02, SL-03, SL-04.

With reference to above project, we had supplied **4 nos** of silencer with our **Invoice. No: 043 Dt: 18.07.2012**. We are interested to know the performance feedback of the supplied silencers. Kindly forward the same to us and enable us to serve you better. If you need any further assistance kindly inform us.

Waiting for your favourable reply.

Thanking you,
Truly yours,

Arumugam - PRAE Office

From: Arvind Kushwaha [akushwaha@bhushansteel.com]
Sent: Tuesday, July 15, 2014 1:31 PM
To: Arumugam - PRAE Office
Cc: Govindaraj B - PRAE MD; Vinoth Govindaraj; vijay_pothi@yahoo.com; Office PRAE
Subject: RE: Performance Request Letter - Supply of Silencers - Job No: 1053.

Dear Sir

Working in good condition , which is supplied by you for our 165 MW Power Plant

Regards

Arvind Kumar

AGM- Power Project

Bhushan Steel Limited

Bhushan Center ,MG Road ,Bhikaji Cama Place

New Delhi-110066

Tel.No.+91-11-39194000,71194000

Fax.No.+91-11-26478750,26415845

Mob. No +91-9873055559

From: Arumugam - PRAE Office [<mailto:arumugam@pracooustics.com>]
Sent: Tuesday, July 15, 2014 12:50 PM
To: akushwaha@bhushansteel.com
Cc: Govindaraj B - PRAE MD; Vinoth Govindaraj; vijay_pothi@yahoo.com; Office PRAE
Subject: Performance Request Letter - Supply of Silencers - Job No: 1053.

July 15, 2014

Mr.Arvind Kumar, Asst. G.M. – Power Plant

M/s. Bhushan Energy Limited.

Email: akushwaha@bhushansteel.com;

Tel: 011- 42295555/Mobile: 09873055559.

Dear sir,

Sub: Performance Request Letter - Supply of Silencers – reg.

Ref PO.No: 8/BEL/10-11/029 DT: 26.08.2010.

Our Job No: 1053.

Type: Sliding Silencer.

With reference to above project, we had supplied **1 no** of silencer vide our **Invoice. No: 048 Dt: 19.10.2011**. We are interested to know the performance feed back of the supplied silencers. Kindly forward the same to us enable to serve you in better way. If you need any further assistance kindly inform the same.

Waiting for your favourable reply.

Thanking you,

Truly yours,

B.Govindaraj, Managing Director

P.R.Acoustical and Engineering works (P) Ltd

PERFORMANCE CERTIFICATE

This is to Certify that P.R.ACOUSTICAL AND ENGINEERING WORKS PRIVATE LIMITED, E-41, Developed Plots Estate, Thuvakudy, Trichy - 620 015, have supplied silencers against following purchase order. These silencers are being used to reduce the noise level during steam blow off under startup and process upset conditions the performance of these steam silencer is satisfactory. Design data of the silencer as attached for your reference.

CUSTOMER : M/s.Thermax Limited.
PROJECT : M/s.Renovation.
PO No. : 451000870 DT: 03.09.2012.
OUR JOB NO. : 1256.
DESCRIPTION : Silencer
QUANTITY : 1 No.
INVOICE NO. : 108 Dt: 13.12.2012.



(SIGNATURE & SEAL BY CUSTOMER)

Nandakumar K - PRAE Marketing

From: Shripad Phadnis <Shripad_Phadnis@Intenc.com>
Sent: Monday, February 24, 2014 1:11 PM
To: Nandakumar K - PRAE Marketing
Cc: Ashutosh_Mehta@Intenc.com; Kapil_Warghade@Intenc.com; Govindaraj B - PRAE MD; Office PRAE; psgu@Intenc.com; Rahul_Patharwat@Intenc.com; Shirish_dalal@Intenc.com; Shreyas_Patil@Intenc.com; vijay_pothi@yahoo.com; Vinoth Govindaraj
Subject: Re: Performance Request Letter - Supply of Silencers - Job No: 1167.

Dear Mr.Nandkumar

So far we have not received any complaints from our Client about the working of the silencers,we cannot provide any performance certificate to vendors

Best Regards,
Shripad Phadnis
Deputy General Manager – Supply chain Management

Hydrocarbon Mid & down Stream | E&C Division |Epc Block|2nd floor| Gate 1|
Larsen & Toubro ltd | Powai (w) | Mumbai 72
+91 22 6705 3605 Mob: +91 9867397715 | Shripad_phadnis@Intenc.com |

Nandakumar K - PRAE Marketing
<nandakumar@pracoustics.com>

02/24/2014 12:45 PM

To "Shripad_Phadnis@Intenc.com" <Shripad_Phadnis@Intenc.com>,
"Ashutosh_Mehta@Intenc.com" <Ashutosh_Mehta@Intenc.com>,
"Kapil_Warghade@Intenc.com" <Kapil_Warghade@Intenc.com>,
"Shreyas_Patil@Intenc.com" <Shreyas_Patil@Intenc.com>,
"Rahul_Patharwat@Intenc.com" <Rahul_Patharwat@Intenc.com>,
"psgu@Intenc.com" <psgu@Intenc.com>, "Shirish_dalal@Intenc.com" <Shirish_dalal@Intenc.com>
cc Govindaraj B - PRAE MD <md@pracoustics.com>, Vinoth Govindaraj <vinoth@pracoustics.com>, "vijay_pothi@yahoo.com" <vijay_pothi@yahoo.com>, Office PRAE <office@pracoustics.com>
Subject Performance Request Letter - Supply of Silencers - Job No: 1167.

February 24, 2014

Mr.Shripad Phadnis, - Asst General Manager – Supply Chain Management/ Mr.Ashutosh Mehta/ Mr.Kapil S. Warghade/ Mr. Shreyas Patil - SCM – HMD
M/s. Larsen & Toubro Limited., - Maharastra, Mumbai.

Email: Shripad_Phadnis@Intenc.com; Ashutosh_Mehta@Intenc.com;
Kapil_Warghade@Intenc.com; Shreyas_Patil@Intenc.com; Rahul_Patharwat@Intenc.com;
psgu@Intenc.com; Shirish_dalal@Intenc.com.

Direct no: +91-22-6705 2598/ 91-22-67051231, 022-6705 3605, Mob: +91 98673 97715/ +91-98199 67520.

Dear sir,

Sub.: Performance Request Letter - Supply of Silencers – reg.
Ref PO.No.: Chemical Plants /75000-04018/AM DT: 26.08.2011.

Our Job No : 1167.

Project: M/s.National Fertilizers Limited(NFL)., - Panipat.

Type : HP Warm up Vent Silencer, Air Vent Silencer, MP Steam Vent Silencer, MP Warm up Vent Silencer, HP Steam Vent Silencer,.

Tag No.: RSLX426, RSL07SPE653, RSL07SPE662, RSLX436, RSL07SPE661.

With reference to above project, we had supplied **5 no s** of silencer vide our **Invoice. No: 014 & 015 Dt: 22.05.2012 & Invoice. No: 025 Dt: 15.06.2012**. We are interested to know the performance feed back of the supplied silencers. Kindly forward the same to us enable to serve you in better way. If you need any further assistance kindly inform the same.

Waiting for your favourable reply.

Thanking you,

Truly yours,

B.Govindaraj, Managing Director

P.R.Acoustical and Engineering works (P) Ltd

No.1, North Eda Street, Beemanagar, Trichy-620001, Tamilnadu, India

Mobile: 9345114145

PH.:0431-2411623/2412608/2412250

E-mail : md@pracoustics.com

"The quiet people offering Sound Solution to Noise"



Disclaimer :This email and any files transmitted with it are intended solely for the use of the addressee(s) only and may contain confidential and/or privileged information. If you are not the addressee, then this message is not intended for you and be advised that you have received this email in error and that any use, dissemination, forwarding, printing or copying of this email is strictly prohibited. In such case please notify the sender and delete this email and any attachments with it from your system immediately. Receipt of this email by you shall not give rise to any liability on the part of L&T Hydrocarbon Engineering

Nagarjuna Road,
Kakinada - 533 003
India,
Phone : 0884 - 2360 127 to 129
Fax : 0884 - 2365020 (Materials)
0884 - 2362084 (Central)



Nagarjuna Fertilizers
and Chemicals Limited

PERFORMANCE CERTIFICATE

This is to Certify that P.R.ACOUSTICAL AND ENGINEERING WORKS PRIVATE LIMITED, E-41, Developed Plots Estate, Thuvakudy, Trichy - 620 015, have supplied silencer against following purchase order. These Inlet silencer are being used to reduce the noise level for Forced Draft Fan of auxiliary Boiler -2. The performance of these Inlet silencer is satisfactory. Design data of the silencer as attached for your reference.

CUSTOMER : M/s.Nagarjuna Fertilizers And Chemicals Ltd
PROJECT : Nagajuna Fertilizers and chemicals Ltd , Kakinada.
PO No. : 1000025361 DT: 26.12.2012
OUR JOB NO. : 1285
DESCRIPTION : Inlet Silencer
QUANTITY : 1 No.
INVOICE NO. : 005 Dt: 13.05.2013.


(SIGNATURE & SEAL BY CUSTOMER)

C. VIJAYA KUMAR
Dy. General Manager (Mech. Maint.)
Nagarjuna Fertilizers And Chemicals Ltd.,
Nagarjuna Road
Kakinada-533 003.

SILENCER DESIGN DATA :

PRAE-J-1285-REV-01

S.No.	DESCRIPTION	INLET SILENCER
1	VOLUME FLOW (m ³ /min)	2389
2	HEAD LOSS mm Aq	40
3	SILENCER INLET TEMPERATURE (Deg.C)	AMBIENT TEMPERATURE
4	SILENCER INLET PRESSURE	AMBIENT PRESSURE
5	SILENCER MOUNTING	HORIZONTAL
6	INLET NOISE LEVEL (dB(A))	106
7	SOUND LEVEL AT OUTLET AT 1 M (dB(A))	85
8	NO. OF SILENCER	1 No.
9	LENGTH (L1) (mm)	3430±10
10	LENGTH (L2) (mm)	1900±10
11	LENGTH (L3) (mm)	2700±10
12	SILENCER DUCT SIZE (APPROX.) (mm)	2420 X 2700
13	SILENCER INLET SIZE (APPROX.) (mm)	2230 X 630
14	WEIGHT (APPROX.) (Kgs)	5000/QTY

MATERIAL SPECIFICATION DATA :

S.No.	DESCRIPTION	INLET SILENCER
1	ANGLE-65X65X8	IS 2062 Gr.B
2	TRANSITION	IS 2062 Gr.B
3	SILENCER CASING (DUCT)	IS 2062 Gr.B
4	LIFTING LUG	IS 2062 Gr.B
5	SADDLE SUPPORT	IS 2062 Gr.B
6	DRAIN PIPE	1" SCH 40, SA 106 GR.B
7	NAME PLATE BRACKET	IS 1079 GR.0
8	NAME PLATE	SS
9	BIRD SCREEN	SS 304
10	WEATHER COWL	IS 1079 GR.0
11	INTERNAL PF SHEET (1.5mm THICKNESS)	SS 304
12	WIRE MESH	SS 304
13	CLOTH	FIBRE GLASS CLOTH
14	ACOUSTICS PACKING (DENSITY-MIN. 80kgf/m ³)	ROCK WOOL
15	INTERNAL METALLIC SUPPORTS	CARBON STEEL



Date: 11th Jan, 14

P.R. Acoustical and Engineering works (P) Ltd
No.1, North EDA Street, Beemanagar,
Trichy-620001, Tamilnadu, India

TO WHOMSOEVER IT MAY CONCERN

Reference: PO No. 4320000683 dtd 16.12.2009 for the supply of Steam Vent Silencer (02-X-203C) in Ammonia-Urea Fertilizer Complex, Babrala, UP.

Subject: Issue of satisfactory performance certificate

This is to certify that M/s. P.R .ACOUSTICAL & ENGINEERING WORKS (P) LTD., TRICHY have supplied one no. Steam Vent Silencer (02-X-203C) on 21.05.2010 having outer shell material Carbon steel & internals AISI 304 with design temperature, upstream design pressure and design flow rate as 370°C, 41 kg/cm²-g & 30 Ton/hour respectively. The equipment was supplied complying with all quality assurance aspects & was successfully commissioned in the month of March, 2011 at our Ammonia Plant, Babrala, Uttar Pradesh. The equipment is performing satisfactorily & meeting all the service requirements from the date of installation.

(Saurabh Mathur)
DGM-Projects
Tata Chemicals Ltd, Babrala, UP.(West)

TATA CHEMICALS LIMITED

Indira Dham Babrala 242021 District Sambhal UP India
Tel + 91 (05836) 664777 664888 664990 Fax + 91 (05836) 664218 www.tatachemicals.com
Registered Office Bombay House 24 Homi Mody Street Fort Mumbai 400 001

SHRI PRABHULINGESHWAR SUGARS AND CHEMICALS LIMITED

**SPSCL/COGEN/2013/
Date 06/12/2013**

Factory: Post - **Siddapur - 587 301**, Taluka : Jamkhandi,
District : Bagalkot, Karnataka State , India
Ph : 08353 -238004 /238200 /238146 /238160 /238184
Fax No : 08353 -238164 /238166 prabhusugar admn@gmail.com

To,
P.R.Acoustical and Engineering works (P) Ltd
No,1,North Eda street,
Beemanagar,
Trichy-620001
Tamilnadu

Attn:Shri B.Govindaraj,M.D
E-mail: md@pracoustics.com

Dear Sir

Sub:Performance feedback letter of warm up vent silencer-Reg
Ref: your letter dt.06/12/13.

As per your request letter to know the performance feed back of the warm up vent silencer (item code: 14006076) supplied by you in the year 2012.

We would like to inform you that the warm up vent silencer was erected and taken on line one year before itself and is in good condition and performing well as per the design parameters and as per the ordered specifications.


On the whole we are satisfied with the performance of the warm up vent silencer supplied by you.

We wish you best of luck for your future assignments.

Thanking you.

Yours faithfully.
for **SHRI PRABHULINGESHWAR SUGARS & CHEMICALS LTD.,**


H.M.Kotresh
Dy.Chief Engineer(cogen)


A.Gurunatha
S.G.M(Engg)

Arumugam - PRAE Office

From: Nandakumar K - PRAE Marketing
Sent: Monday, December 09, 2013 3:50 PM
To: Arumugam - PRAE Office
Subject: FW: Performance Request Letter - Supply of Silencers - Job No: 1230.

From: snagarajan@indiacements.co.in [<mailto:snagarajan@indiacements.co.in>]
Sent: Monday, December 09, 2013 3:49 PM
To: Nandakumar K - PRAE Marketing; Govindaraj B - PRAE MD
Subject: Fw: Performance Request Letter - Supply of Silencers - Job No: 1230.

Sir

The reply received from our User is appended.

regards



S. NAGARAJAN
ASST. MANAGER (STORES)
THE INDIA CEMENTS LTD
SANKARNAGAR - 627357
TIRUNELVELI DISTRICT
0462-2300204

----- Forwarded by snagarajan/SKN/ICLCO/IN on 12/09/2013 03:47 PM -----

From: balagopal.k/SKN/ICLCO/IN
To: snagarajan/SKN/ICLCO/IN@ICL
Date: 12/09/2013 03:46 PM
Subject: Re: Fw: Performance Request Letter - Supply of Silencers - Job No: 1230.

Sir

The Silencer is working satisfactorily

Warm Regards
Balagopal

----- Forwarded by snagarajan/SKN/ICLCO/IN on 12/09/2013 12:11 PM -----

From: Nandakumar K - PRAE Marketing <nandakumar@pracoustics.com>
To: "snagarajan@indiacements.co.in" <snagarajan@indiacements.co.in>
Cc: Govindaraj B - PRAE MD <md@pracoustics.com>, Vinoth Govindaraj <vinoth@pracoustics.com>, "vijay_pothi@yahoo.com" <vijay_pothi@yahoo.com>, Office PRAE <office@pracoustics.com>, Parthiban - PRAE Office <parthiban@pracoustics.com>
Date: 12/09/2013 12:07 PM
Subject: Performance Request Letter - Supply of Silencers - Job No: 1230.

December 9, 2013

VICE PRESIDENT (MATERIALS)

M/s.The India Cements Limited., - Tirunelveli District, Tamil Nadu.

Email : snagarajan@indiacements.co.in

PH: 28521526/28521527/28521530/28548534, 0462-2300221-227/0462-2300204(Materials).

Dear sir,

Sub.: Performance Request Letter - Supply of Silencers – reg.

Ref PO.No.: HO/SKN 106 DT: 21.06.2012.

Our Job No : 1230.

Type : Exhaust Silencer for Steam Line Drain.

Item Code : 0701160007.

With reference to above project, we had supplied **1 no** of silencer vide our **Invoice. No: 107 Dt: 07.12.2012**. We are interested to know the performance feed back of the supplied silencers. Kindly forward the same to us enable to serve you in better way. If you need any further assistance kindly inform the same.

Waiting for your favourable reply.

Thanking you,

Truly yours,

B.Govindaraj, Managing Director

P.R.Acoustical and Engineering works (P) Ltd

No.1, North Eda Street, Beemanagar, Trichy-620001, Tamilnadu, India

Mobile: 9345114145

PH.:0431-2411623/2412608/2412250

E-mail : md@pracoustics.com

"The quiet people offering Sound Solution to Noise"



Nandakumar K - PRAE Marketing

From: Sanjay joshi <sanjayjoshi7964@gmail.com>
Sent: Friday, December 06, 2013 2:16 PM
To: Nandakumar K - PRAE Marketing
Subject: Re: Performance Request Letter - Supply of Silencers - Job No: 1242.

Dear Sir,
Performance is good of supplied silencer.
thanks.

On 06-Dec-2013 12:27 PM, "Nandakumar K - PRAE Marketing" <nandakumar@pracooustics.com> wrote:

December 6, 2013

M/s.Harinagar Sugar Mills Limited,

Mr.S.K.Joshi-GM.Tech(ENGG.)

PH: 06122220466 / Mobile :- 09955996287, 09431212382.

Email: Sanjayjoshi7964@gmail.com; Skj7964@yahoo.co.in.

Dear sir,

Sub.: Performance Request Letter - Supply of Silencers – reg.

Ref PO.No.: PC/00049 (PC-36/12-13) DT: 26.07.2012.

Our Job No : 1242.

Type : Startup - Vent Silencer.

Item Code : HBC0200.

With reference to above project, we had supplied **1 no** of silencer vide our **Invoice. No: 083 Dt: 29.10.2012**. We are interested to know the performance feed back of the supplied silencers. Kindly forward the same to us enable to serve you in better way. If you need any further assistance kindly inform the same.

Waiting for your favourable reply.



LARSEN & TOUBRO LIMITED

ECC DIVISION

INSTALLATION / ERECTION / COMMISSIONING CERTIFICATE (capital/others)

SITE ADDRESS.. Larsen & Toubro Limited, Inside TSL works, Jamshedpur, Pin-831 001

JOB NO. & DESCRIPTION. LE080222, Blast Furnace I Project

PO No. C03260/EPR00845

Date..... 11th March '11

Item Description Silencer at Fume Extraction Fan Outlet in Cast House

Blast Furnace I Project, TATA STEEL WORKS, JAMSHEDPUR

This is to certify that M/s..... **P R ACOUSTICAL & ENGINEERING WORKS PRIVATE LIMITED**
have supplied the entire lot / part quantity of material / equipment against above cited Purchase Order
and the same has been installed / erected and commissioned on 28th March'12

Since the performance of the material / equipment is satisfactory, the 2nd / 3rd / 4th stage payment
payable against installation / erection and receipt of ICT , can be released based on PO credit terms.

Special Remarks:.....

Name, Signature & Site Seal

Place. Jamshedpur

Date. 25-Sep-2013




**PLANNING
ENGINEER**


**PROJECT
MANAGER**



TECHNO ELECTRIC AND ENGINEERING CO. LTD.

Power Plant / Utility Group:

6A, Park Plaza - South Block, 71 Park Street, Kolkata-700 016 Tel.: 30214700 Fax : 033-30214772 E-mail: techno@cal.vsnl.net.in

ENGINEERS &
CONSTRUCTORS



PERFORMANCE CERTIFICATE

This is to Certify that **P.R.ACOUSTICAL AND ENGINEERING WORKS PRIVATE LIMITED, E-41, Developed Plots Estate, Thuvakudy, Trichy - 620 015**, have supplied silencers against following purchase order. These silencers are being used to reduce the noise level during steam blow off under startup and process upset conditions the performance of these steam silencer is satisfactory.

CUSTOMER : Techno Electric & Engineering Co. Ltd
PROJECT : Bengal Energy Limited, West Bengal.
PO No. : 13611/2009-10/1751 DT: 06.03.2010. Amend No.: 1 DT.: 19.10.10.
OUR JOB NO. : 1009
DESCRIPTION : Startup Vent Silencer
QUANTITY : 1 No.
INVOICE NO. : 086 Dt: 16.11.2010.




P K Mitra
Sr. DGM - Project

23/4/13

(SIGNATURE & SEAL BY CUSTOMER)

Arumugam - PRAE Office

From: Somashekar Sathnaur [SSathnaur@technip.com]
Sent: Wednesday, April 10, 2013 10:35 AM
To: Nandakumar K - PRAE Marketing
Cc: kaladhar@gail.co.in; Govindaraj B - PRAE MD; Office PRAE; Office Beemanagar; somashekar.sathnaur@shawgrp.com; thiaguscv@gmail.com; Vinoth Govindaraj
Subject: Re: Performance Certificate Request - Supply of Silencers
Attachments: Sathnaur_Somashekar.vcf; pic30259.jpg; pic32453.jpg

Dear Nandakumar,

The 6th Furnace was commissioned in December 2012 and the furnace performance test was also conducted . The entire system is operating satisfactorily till date .

It is more than 2 years that the operations per feedback is satisfactory.

Thanks for all the assistance given by your team during the project stage involvement and look forward to associate in future assignments.

My e-mail ID has been changed. Please note the same . Shaw Stone & Webster is now a part of Technip .

S.K. Somashekar
Project Director

Technip E&C India Ltd - 7th Floor, Wing B1 , Boomerang,Chandivali Farm Road, Andheri (E) , Mumbai 400 072. India - www.technip.com Tel (Direct): +91 22 6700 2575 - Switchboard: +91 22 6700 2000/2300 , Mobile: +91 9619669634

Please consider the environment before printing this email or its attachments (See attached file: Sathnaur_Somashekar.vcf)

From: Nandakumar K - PRAE Marketing <nandakumar@pracoustics.com>
To: "kaladhar@gail.co.in" <kaladhar@gail.co.in>,
"somashekar.sathnaur@shawgrp.com"
<somashekar.sathnaur@shawgrp.com>,
Cc: Govindaraj B - PRAE MD <md@pracoustics.com>, Vinoth Govindaraj
<vinoth@pracoustics.com>, Office Beemanagar
<OfficeBeemanagar@pracoustics.com>, Office PRAE
<office@pracoustics.com>, "thiaguscv@gmail.com"
<thiaguscv@gmail.com>
Date: 06/04/2013 16:21
Subject: Performance Certificate Request - Supply of Silencers

April 6, 2013

Mr. V.Srinivasulu, Sr.Manager (C&P) / Mr.Kaladhar Narayan, Manager (C&P) / Mr. Somashekar, Senior Project Manager M/s. Gail India Limited - U.P. / M/s.Shaw roltta Limited Email : kaladhar@gail.co.in; somashekar.sathnaur@shawgrp.com.
Tel: :+91-22-30878174, / Mob: :+91-9323966629.
Dear sir,

Nandakumar K - PRAE Marketing

From: IMRAN KHALID , SMT0 [IMRANK@INDIANOIL.IN]
Sent: Monday, February 18, 2013 10:36 AM
To: Nandakumar K - PRAE Marketing
Cc: GUPTA VIVEK , SMLE
Subject: RE: Performance Certificate Request - Supply of Silencers

Dear Mr. Nankumar,

In reference to the appended mail for feedback on HGU-III Silencers (Tag No.: 2041-M-102, 2041-M-103 & 2041-M-104) supplied against our PO: 3342/283/23036793 DT: 06.11.2009 and subsequent confirmation from our 'Maintenance' Department, it is hereby certified that the performance of the said Silencers seems to be satisfactory within its defect liability period.

This is for your kind information please.

Regards,

Khalid Imran

Project Deptt.
Gujarat Refinery
IndianOil Corpn Ltd
Ph: 0265-2237926



From: Nandakumar K - PRAE Marketing [mailto:nandakumar@pracoustics.com]
Sent: Monday, February 18, 2013 9:54 AM
To: GUPTA VIVEK , SMLE; IMRAN KHALID , SMT0
Cc: ATHA HS , DGM(PJ); MONDAL TK , DGM(I/c) PJ; GUPTA AK, SMTM; KANTI SUNIL, SMNM(ML)
Subject: RE: Performance Certificate Request - Supply of Silencers

From: Nandakumar K - PRAE Marketing
Sent: Saturday, February 16, 2013 3:44 PM
To: 'GUPTA VIVEK , SMLE'; IMRAN KHALID , SMT0
Cc: ATHA HS , DGM(PJ); MONDAL TK , DGM(I/c) PJ; GUPTA AK, SMTM; KANTI SUNIL, SMNM(ML)
Subject: RE: Performance Certificate Request - Supply of Silencers

Dear Mr Imran

Thanks for your e-mail and if you are able to draft a email in detail will be help us to put in our website.

Thanks and regards
K.Nanda kumar

From: GUPTA VIVEK , SMLE [mailto:GUPTAV@INDIANOIL.IN]
Sent: Saturday, February 16, 2013 3:33 PM
To: IMRAN KHALID , SMT0
Cc: ATHA HS , DGM(PJ); MONDAL TK , DGM(I/c) PJ; GUPTA AK, SMTM; Arumugam - PRAE Office; KANTI SUNIL,

Main Identity

From: <diwakarmisra@iffco.in>
To: "MD PRACOUSTICS" <md@pracoustics.com>; "DESIGN PRAE" <design@pracoustics.com>;
"PRAE-OFFICE" <office@pracoustics.com>; "Planning" <planning@pracoustics.com>
Cc: <ynarula@iffco.in>; <rbmaiti@iffco.in>; <awdheshkdixit@iffco.in>
Sent: Friday, November 25, 2011 5:12 PM
Subject: Budgetary Quotation for Deaerator Vent Silencer

Dear Mr Govindraj,

Please recall our correspondence for the procurement of 03 Nos. of vent silencers for our Ammonia-I Plant. After their receipt, all these were installed in the annual shutdown and are working satisfactorily.

Meanwhile, we have one additional requirement of vent silencer for which the process specification is as follows:

Service - Vent from Deaerator 101-U
Operating Temp.- 100 deg.C
Operating Pressure - 0.3 Kg/cm²
Flow rate - 300 Kg/hr
Size - 6"
Flange bolt holes drilled to straddle drain outlet and 1" threaded drain.

We intend to install the above vent silencer in the next shutdown.

You are requested to send us the budgetary offer for supplying the vent silencer (1 No.) against the above specification. Please also indicate the delivery period.

Your prompt response shall be highly appreciated.

With kind regards,

Diwakar Misra
Dy. General Manager (Pro.)
IFFCO - Phulpur
+91-0532-2282041
+919415130675.

Arumugam - PRAE Office

From: Govindaraj B - PRAE MD
Sent: Wednesday, May 01, 2013 11:28 AM
To: Office PRAE; Office Beemanagar
Cc: Design
Subject: FW: Performance Request Letter - Supply of Silencers -M/s.Shree Renuka Sugars Limited., - Belgaum Karnataka

From: P Sakthivel [mailto:psakthivel@isgec.co.in]
Sent: Tuesday, April 30, 2013 4:04 PM
To: Govindaraj B - PRAE MD
Subject: FW: Performance Request Letter - Supply of Silencers -M/s.Shree Renuka Sugars Limited., - Belgaum Karnataka

FYI

From: Satya Prakash [mailto:satyaprakash@isgec.co.in]
Sent: Tuesday, April 30, 2013 3:54 PM
To: P Sakthivel
Cc: deepakchauhan@isgec.co.in; pramod.sharma@isgec.co.in; sanjay.gupta@ijt.co.in; sachingupta@isgec.co.in
Subject: Re: Performance Request Letter - Supply of Silencers -M/s.Shree Renuka Sugars Limited., - Belgaum Karnataka

Dear Mr.Sakthivel,
With reference your below mail.
We would like to inform you that there is no Problem related to Silencers with respect to M/s Ranuka sugar Ltd.

Thanks regards
Satyaprakash

From: Govindaraj B - PRAE MD [mailto:md@pracooustics.com]
Sent: Tuesday, April 30, 2013 3:25 PM
To: psakthivel@ijt.co.in
Cc: Vinoth Govindaraj; vijay_pothi@yahoo.com
Subject: Performance Request Letter - Supply of Silencers

April 30, 2013

Mr. P.Sakthivel, Manager- Materials
M/s. ISGEC Heavy Engineering Ltd.
Email : psakthivel@ijt.co.in
Tel: +91-120-3301806 / Mobile No: 09716111697

Dear sir,

Sub.: Performance Request Letter - Supply of Silencers – reg.
Ref PO.No.: 115129/JP0007 DT: 01.09.2010.
Project : M/s.Shree Renuka Sugars Limited., - Belgaum Karnataka.
Our Job No : 1049.
Type : SH Safety Valve Silencer, Startup Vent Silencer.



Bharat Heavy Electricals Limited

Project Engineering Division

01 New Engineering Building, Ramachandrapuram, Hyderabad-500 032 INDIA
Phones: 040-3020008, 225353 Extn: 2214, Fax: 040-3021754, email: ped%rcp01@bhel.ernet.in

Ref : HY/PED/2001
Date : 28-03-2001

PERFORMANCE CERTIFICATE

THIS IS TO CERTIFY THAT **M/S. P.R.ACOUSTICAL AND ENGINEERING WORKS (P) LTD., E-41 DEVELOPED PLOTS ESTATE, THUVAKUDY, TIRUCHIRAPALLI - 620 015**, HAVE SUPPLIED SILENCERS AGAINST FOLLOWING PURCHASER ORDERS. THESE SILENCERS ARE BEING USED TO REDUCE THE NOISE LEVEL DURING STEAM BLOW OFF UNDER STARTUP AND PROCESS UPSET CONDITIONS THE PERFORMANCE OF THESE STEAM VENT SILENCERS IS SATISFACTORY.

SL. NO.	CUSTOMER	P.O. NUMBER / DATE	QUANTITY (Nos.)
01.	BHEL - HYDERABAD	T7 98 A270 / 24.04.1998	1
	HPCL - VIZAG		
02.	BHEL - HYDERABAD	T7 98 A294 / 25.04.1998	1
	IOCL - MADHURA II		
03.	BHEL - HYDERABAD	T7 98 A293 / 25.04.1998	1
	IOCL - GAWAHATI		
04.	BHEL - HYDERABAD	T7 98 B851 / 25.08.1998	1
	RIL - HAZIRA		
05.	BHEL - HYDERABAD	T7 98 D051 / 11.12.1998	1
	IOCL - BARODA		
06.	BHEL - HYDERABAD	T7 99 A683 / 07.05.1999	1
	HPCL - MUMBAI		
07.	BHEL - HYDERABAD	T7 99 B285 / 01.07.1999	1
	IOCL - HALDIA		
08.	BHEL - HYDERABAD	T7 99 D536 / 22.12.1999	1
	IOCL - BARAUNI		
09.	BHEL - HYDERABAD	T7 00 A620 / 01.06.2000	1
	IOCL - BARAUNI - II		
10.	BHEL - HYDERABAD	T7 00 A620 / 01.06.2000	1
	IOCL - PANIPAT		

B. Prasad
(B. PRASAD)
BHUNESHWAR PRASAD
Manager (Project Engg.)
प्रबंधक (परियोजना इंजी.)
Manager (Project Engg.)

Regd. Office : BHEL House, Siri Fort, New Delhi-110016
BHEL, HYD-502 032



Bharat Heavy Electricals Limited

Project Engineering Division

01 New Engineering Building, Ramachandrapuram, Hyderabad-500 032 INDIA
Phones: 040-3020008, 225353 Extn: 2214, Fax: 040-3021754, email ped%rcp01@bhel.ernet.in

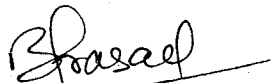
Ref : PEDM/98/BP/8001,

Date : 17-02-1998

PERFORMANCE CERTIFICATE

THIS IS TO CERTIFY THAT M/S. P.R.ACOUSTICAL AND ENGINEERING WORKS (P) LTD., E-41 DEVELOPED PLOTS ESTATE, THUVAKUDI, TIRUCHIRAPALLI-620 015 HAVE SUPPLIED SILENCERS AGAINST FOLLOWING PURCHASE ORDERS. THESE SILENCERS ARE BEING USED TO REDUCE THE NOISE LEVEL DURING STEAM BLOW OFF UNDER STARTUP AND PROCESS UPSET CONDITIONS. THE PERFORMANCE OF THESE STEAM VENT SILENCERS IS SATISFACTORY.

SL. NO.	CUSTOMER	P.O. NUMBER/ DATE	QUANTITY (NOS.)
1.	BHEL- HYDERABAD	T793A193/16-1-1993	4
	GFSC- BARODA		
2.	BHEL- HYDERABAD	T-7947-537/20-9-1994	1
	RIL-PATALGANGA		
3.	BHEL- HYDERABAD	T7947-725 / 8-12-1994	1
	RIL-HAZIRA-II		
4.	BHEL- HYDERABAD	T795Y375 / 26-5-1995	2
	RIL-HAZIRA-III		
5.	BHEL- HYDERABAD	T794Y536 / 20-9-1994	1
	RIL-HAZIRA-I		
6.	BHEL- HYDERABAD	T795Y489 / 21-7-1995	1
	ONGC-HAZIRA-III		
7.	BHEL- HYDERABAD	T795Y490 / 4-7-1995	1
	ONGC-GANDHAR		
8.	BHEL- HYDERABAD	T796Y777 / 23-5-1996	1
	RIL- PATALGANGA-II		
9.	BHEL- HYDERABAD	T796C255 / 4-7-1996	1
	IOCL-MATHURA		
10.	BHEL- HYDERABAD	T796C33 / 9-12-10-1996	1
	IFFCO-PHULPUR(EXPN.)		
11.	BHEL- HYDERABAD	T797B335 / 21-7-1997	3
	RIL-JAMNAGAR-		
12.	BHEL- HYDERABAD	T797D335 / 21-7-1997	3
	RELIANCE THERMAL POWER (P) LTD., JAMNAGAR		


(BHUNESHWAR PRASAD)
Dy. Manager - PED



9/12/98
INDIAN ACRYLICS LTD.

HEAD OFFICE :
S.C.O. No. 49-50, SECTOR 26,
MADHYA MARG, CHANDIGARH-160 019 (INDIA)
TELE. : 770385, 770979, 771379, 771390
GRAMS : STRIPS, TELEX : 0395-7322 SSL IN
FAX : (0172) 549634
Sprintmail ID : SSLHO. CHD/SSG
X.400 ID : (C:IN, A:VSNL, P:SPINTRPG,
O : SSG, FN : SSLHO, SN:CHD)
InterNet ID : sslho.chd @ ssg. sprintrpg.ems.vsnl.net.in

Dated: 02.03.98

TO WHOMSOEVER IT MAY CONCERN

This is certified that M/s P.R. Acoustical & Engg. Works (P) Ltd., has supplied us silencer for polymer dryer vide our purchase order no. IAL/D012/CF-777/214/97 Dated 15.09.97, which has been installed in the month of Jan. '98 at our Acrylic Fibre Plant and presently is working quite satisfactorily.

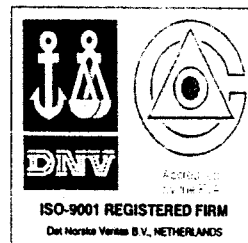
for INDIAN ACRYLICS LIMITED

[Signature]
(Authorised Signatory)

REGD. OFFICE & WORKS : VILLAGE HARKISHANPURA, SUB TEHSIL BHAWANIGARH-148 026, DISTT. SANGRUR, (Pb.) INDIA
PHONES : (01672) 77109 TO 771013, FAX : (01672) 77107
Sprintmail ID : IAL SITE/SSG, X. 400 ID : (C : IN, A : VSNL, P: SPINTRPG, O : SSG, FN : IAL, SN : SITE), Internet ID : sslho. chd @ ssg. sprintrpg. ems.vsnl. net. in
DELHI OFFICE : 610-611, 6TH FLOOR, CHIRANJIV TOWERS, 43, NEHRU PLACE, NEW DELHI - 110 019
TELEX : 031-71040 APEX-IN, PHONES : 6415882, 6464124 FAX : 011-6464254



P.R. Acoustical and Engineering Works (P) Limited



Ref No Job No: 003
Dated 22.4.99

To

Mr. R.Kumar Vice President, Boiler division
M/S Krupp Industries India Ltd
Pimpri,
Pune-411018

PHONE 020 - 774461

FAX - 771150

Dear sir,

SUB: Noise level Report

The undersigned visited INDO GULF CORPORATION LTD., (Unit: Birla copper) Bharuch. The details of the above report is enclosed here with for your perusal.

Thanking You

Yours Faithfully

For P.R.ACOUSTICAL AND ENGINEERING WORKS(P) LTD.,

(B.GOVINDARAJ)

Managing Director

Office : No.1, North Eda Street

Bheemanagar

Tiruchirapalli 620 001

Tamil Nadu

India

Ph. No : 0431-412608/464440

Fax NO : 0431-414403/462750

Telex : 0455-316 ACES IN

Works : E-41, Developed Plots Estate

Thuvakudi

Tiruchirapalli 620 015

Tamil Nadu

India

Ph. No : 0431-550889

Telefax : 0431-552663



P.R. Acoustical and Engineering Works (P) Limited



NOISE LEVEL REPORT

Date: 22.4.99

Job no : 003

Purchase order No: Fbcb/3270/97 Dt 7.2.97

Customer : M/S Krupp industries India Ltd., Pune

Project : Indo Gulf Fertilisers & Chemicals corp Ltd.,

1. Ambient Noise level at floor 42 Meter

Height : 82 dB(A)

2. Noise level after START UP VENT

VALVE OPENED to 50%

Pressure -67 Kg/cm²

: 85 dB(A) at 1 meter from middle of the silencer body

3. Noise level at the outlet of the

Silencer

: Not possible to measure since the outlet was above roof level

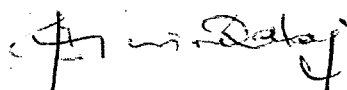
4. Noise performance of other silencers :

Not possible to measure since boiler pressure is less than set pressure of respective Valve

For Krupp Industries Ltd.,


(S.G. NAMBIAR)

Noise level measurement conducted by



(H. GOVINDARAJ)

Managing Director

P.R.ACOUSTICAL AND ENGINEERING (P)
LTD.,

Office : No.1, North-Eda Street

Bheemanagar

Tiruchirapalli 620 001

Tamil Nadu

India

Ph. No : 0431-412608/464440

Fax NO : 0431-414403/462750

Telex : 0455-316 ACES IN

Works : E-41, Developed Plots Estate

Thuvakudi

Tiruchirapalli 620 015

Tamil Nadu

India

Ph. No : 0431-550889

Telefax : 0431-552663

राष्ट्रीय केमिकल्स एण्ड फर्टिलाइजर्स लिमिटेड

(भारत सरकार का उपक्रम)

वर्क्स, प्रशासनिक भवन, चेंबूर, मुंबई-400 074.

RASHTRIYA CHEMICALS & FERTILIZERS LIMITED

(Government of India Undertaking)

WORKS: ADMINISTRATIVE BUILDING, CHEMBUR, MUMBAI-400 074

PHONE : 022-5561455

FAX : 022-5564319

GRAM : FERTILIZER

OM/SGP/Vent Silencer/99

23rd March, 1999.

TO WHOM IT MAY CONCERN

Re: Supply of Vent Silencer against our P.O.
No. PINU-970 3278481 dt. 03/04/97.

M/s P.R. Acoustical & Engineering Works, E.41, developed plot estate, Thuvakudi, Trichy-620 015 supplied 1 no. silencer against our above P.O. for the following technical parameters and material specifications:-

AA) Design Data

01. Operating temperature	:	250 Deg C.
02. Normal flow	:	30 MT/Hr.
03. Operating pressure	:	15 kg/sq.Cm.
04. Line size between control	:	8" 150# SORF.
05. Drain	:	1" NPT (F).
06. Length	:	2950 mm (Effective).
07. Dia	:	1140 mm.
08. Weight	:	1200 kgs.
10. Corrosion allowance on	:	3 mm.
11. Outlet from silencer	:	Atmosphere.
12. Direction of flow	:	Vertical.
13. Silencer noise level	:	85 db(A) at 3 mtr. distance in free field condition.

BB) Material specification

01. Flange	:	8" 150# SORF A 105 ANSI B 16.5
03. Diffuser pipe	:	A 106 Gr.B.
04. Outer shell	:	IS 2062
05. Support bracket	:	IS 2062
06. Lifting Lug	:	IS 2062
07. Bird screen	:	G.I.
08. Weather cowl	:	IS 1079
09. Internal others	:	IS 2062
10. Internal P.F. sheet	:	G.I.

The above silencer is working to above requirement and is giving satisfactory performance.

(H.S.SAINI)

OPERATIONS MANAGER (SGP/WT)

10.4.99

पंजीकृत कार्यालय : 'प्रियदर्शनी' ईस्टर्न एक्सप्रेस हाइवे, मुंबई-400 022.

Regd. Office : Priyadarshini Eastern Express Highway, Mumbai-400 022.

PHONE : 022 - 4078201 - 03, 4078175 - 76

THE UGAR SUGAR WORKS LIMITED

Works: Ugar-Khard - 591316, Dist: Belgaum, Karnataka, Phone: (08339) 72230 (5 lines), Fax: (08339) 72232.
Regd. Office: Mahaveernagar, Sangli - 416416, Maharashtra, Phone: (0233) 323716, Fax: (0233) 323716.
KSTRC No 5030115-9 CSTRC No. 5025114 - 1 Bell, dated 1-4-92

Branch Office: 514, Tattarad Chaudhary, Nadgaon Road, 426001, Phone: (022) 2511597, Telex: (022) 2511597.
Bangalore: 191 - A, 1st Main, 7th Cross, Rajmahal Vihar Extension, 560002, Phone: (080) 3347841.
Belgaum: P.C. Church Street, 590002, Phone: (0831) 722111.

ENG./MECH./COGEN/VALVE/ 5229

February 17, 1999

M/s. P. R. Engineering Works,
No.1, North Eda Street,
Bheema Nagar,
TIRUCHIRAPALLI 620 001

Sub.: Performance Certificate.

Dear Sir,

As desired by you, we are enclosing herewith Performance Certificate for 2 Nos. Silencer supplied by you vide our Purchase Order No. Eng/Mech/Cogen/20937 dated 04-09-1998.

Kindly acknowledge the receipt.

Thanking you,

Encl.: Performance Certificate.

Ark/gds/mrm/

Yours Faithfully,

For The Ugar Sugar Works Ltd

Chief Engineer (Co gen.)

THE UGAR SUGAR WORKS LIMITED

UGAR KHURD - 591 318 (DIST. BELGAUM) KARNATAKA
FAX NO. 08339 - 72232.

Ref. No. Eng/Mech/Coagen/Pat **FAX MESSAGE**

Date : 23-1-99 .

F-AY NC-0431-414403/462750.

M/s P.R. Engineering Works
Trichitrapalli - 620,001.

Kind Attn: Mr. S. N. Nayagam

3. Sub :- Supply of Air Vent-Valve Silencers-2

Dear Sir,

With reference to above, we hereby confirm the performance of the above silencers found satisfactory.

Also note that we have already released your payment long back & the same must have been received by you. for return fax.

aided by you.
Please confirm by return fax.

• Thanking you.

yours faithfully

The Sugar Works Ltd

CLARK, (M. C. (1892))

4

Phone : (0461) 355401
Grams : SOUTHPETRO
Telex : 0434 - 246
Telefax : (0461) 355588

SPIC SOUTHERN PETROCHEMICAL INDUSTRIES CORPORATION LTD.

SPIC NAGAR, TUTICORIN - 628 005. INDIA

MM/B 73168/99
7th April '99

M/s P.R.ACOUSTICAL AND ENGG. WORKS (P) LTD.
NORTH EDA ST.
BHEEMANAGAR
TRICHY - 620 001

Dear Sirs,

Sub : Supply of Vent Silencer for Steam Turbine
Exhaust - Performance of Silencer - Reg

Ref : Our Order No. B 73168 dt. 29.7.97
Your letter No. 97/Job/029 dt. 5.3.99

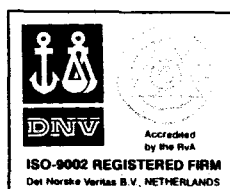
With reference to the above we wish to inform you that the performance of PCV 502 vent silencer supplied by you is to be evaluated at rated capacity and can be done only during low load operation. This is applicable especially with respect to noise level and also this will be carried out in the next opportunity and results will be intimated to you latter. This is for your information.

Thanking you,

Yours faithfully,
For SOUTHERN PETROCHEMICAL
INDUSTRIES CORPORATION LTD


JOHN S J PONNAYYA
MANAGER(MATERIALS)

TO RA
47



ABP
ABP

Date: 07/04/99

TO WHOME SO EVER IT MAY CONCERN

SUPPLIER NAME : P.R. ACOUSTICAL & ENGG. WORKS (P) LTD.
TRICHY - 15.

PROJECT : MRPL PHASE II
MANGALORE

REF. P.O.NO. : 45054 dt. 1.1.98

ITEM : SILENCER

TAG NO. : SL1,2,3 & 4 QTY 4 Nos.

This is to certify that the Unit-I boiler of Phase II
start up vent valve, drum & super heater valve silencers
are working satisfactorily.

Yours
ABB-ABL-PROJECTS LTD.



MR. P.S. DEY
RESIDENT MANAGER
COMMISSIONING.

ABB ABL PROJECTS LTD.

"ILACO HOUSE", 1&3 Brabourne Road
CALCUTTA -700 001, P.O. Box. No. 593

TELEGRAM : "Projects Calcutta"
TELEPHONES : 220 5401-2-3

FAX : (+91) 33 220 9433
TELEX : 021 7561

ZUARI INDUSTRIES LIMITED

(FERTILIZER DIVISION)

Ref. PLNG/AVM-18/98

July 20, 1998

→ P.R. Engineering Works
1, North Eda St.,
Bheemanagar
Trichirapalli - 620 001

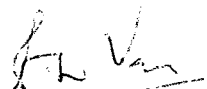
Attn: Mr. S. Nagarajan - Sr. Executive-Marketing

Dear Sir,

Ref: Your letter Ref. No. AS/0358/ZUARI/GOA dated 1.6.98

We refer your above letter. 1 No. Silencer supplied against our P.O. No. 42912/AM dated 5.1.97 was installed in our May '98 shutdown and is giving satisfactory performance.

Regards.



D.K. VASU
CHIEF ENGINEER-PLANNING.



INDIAN RAYON AND INDUSTRIES LIMITED

CAUSTIC SODA DIVISION

Regd. Office & Works - Junagadh-Veraval Road

VERAVAL - 362 266

Tel.Nos.02876-43254/43566/20201/20335/21898 Fax No.02876-43254/43220

Gram: INDIARAYON Telex: 163-207 IRCL IN

FAX MESSAGE

Ref: No.IRIL/CSP/689/98/SKN

Date:6.2.1998

**P.R. ACOUSTICAL AND ENGG. WORKS P LTD.,
TRICHIRAPALLI.****FAX NO. 0431 552663/464403/462750****ATTN: MR S. NAGARANAN. SR. EXECUTIVE-MKG.**

We are in receipt of your fax message No.97/J-012 dated 5.2.1998 and as desired by you, please find enclosed herewith Performance Certificate for the Steam Vent Silencer supplied by you against our P.O. No.L/41/0595 dated 23.3.1997. We hope you will find the same in order.

With best regards,

**S.K. NANDA
VICE PRESIDENT (CAUSTIC)**

Encl: As above.



Indian Rayon And Industries Limited

CAUSTIC SODA PLANT
Works :
VERAVAL-362266
Phone : 20201, 20335, 21898
Gram : NDIARAYON
Telex : 163-207 IRCL IN
Fax : (01876) 23254/21220

PERFORMANCE CERTIFICATE

THIS IS TO CERTIFY THAT WE PURCHASED ONE STEAM VENT SILENCER FROM M/S. P.R. ACOUSTICAL AND ENGINEERING WORKS (P) LIMITED, E-41, DEVELOPED PLOTS ESTATE, THUVAKUDI, TRICHIRAPALLI - 620 015 AGAINST OUR PURCHASE ORDER NO. L/41/0595 DATED 23.03.1997 AND BEING USED TO REDUCE THE NOISE LEVEL DURING STEAM BLOW-OFF UNDER START UP & PROCESS UPSET CONDITIONS. THE PERFORMANCE OF THIS STEAM VENT SILENCER IS SATISFACTORY.

S.K. NANDA

VICE PRESIDENT(CAUSTIC)

DATE: 06.02.1998

Registered Office : VERAVAL-362266. (Gujarat)